Teamcenter integration for NX

Best-in-class engineering design and collaboration solution for any size team using NX

Benefits
- Less time spent by design teams finding the right NX data
- Reduced development cycle times for distributed global design teams
- Faster product change and approval processes that facilitate shorter time-to- market
- Higher levels of understanding and communication among product teams throughout the supply chain
- A single source of product information in support of your complete design- through-manufacturing process

Summary
Teamcenter® integration for NX™ software allows you to reduce your product development cycle times by enhancing your NX environment to both manage and accelerate design collaboration for any size engineering team. Teamcenter integration for NX provides seamless management, control and security for your NX data. Leveraging Active Workspace, the integration provides intuitive access to a full range of product lifecycle management (PLM) functionality that enables users to rapidly search for designs, manages data revisions, product configurations and changes in a single or multi-site deployment.

Meeting business challenges
Your company is continually challenged to reduce development costs, improve productivity and increase quality. In addition, your designers require 100 percent confidence in their ability to find the latest information, work on correct versions and synchronize data between different company sites. At the same time, you must adapt to changing global markets, often moving from centralized product development to distributed design with global partners.

Teamcenter integration for NX provides live global access to product information, accelerates your processes for product change and successfully manages your most precious asset – product knowledge.

Multi-site engineering collaboration
The capabilities of Teamcenter integration for NX go beyond workgroup CAD data management, enabling design teams of any size, in different locations and throughout your supply chain, to work closely together to streamline product development processes through multi-site collaboration. All design information created using NX is captured, controlled and shared by your global development teams in a single, highly secure Teamcenter environment, while version management and access control ensure that the right people get the right information at the right time.

Transparent user interface
Teamcenter integration for NX provides uninterrupted productivity and superior usability for design teams. Users are able to access live Teamcenter information including check-in/check-out, maturity status, revision, where-used, what's changed, documents and data sheets, project assignments and more.
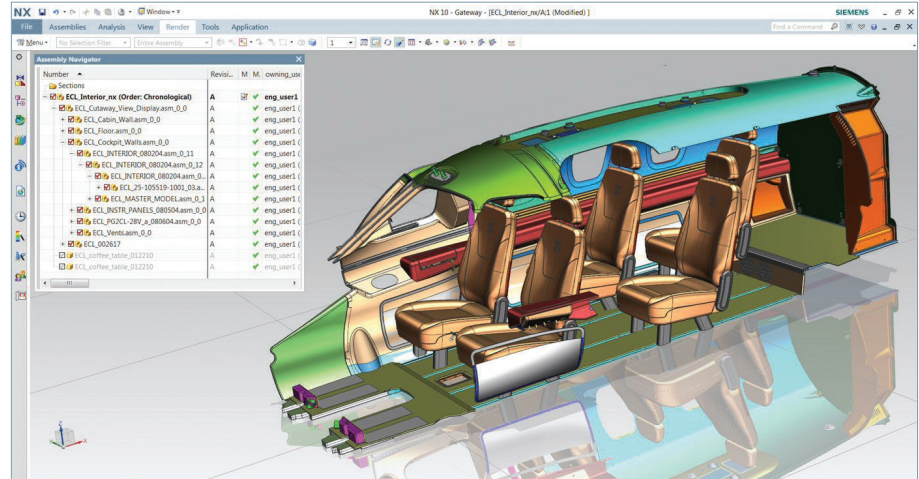
Multi-CAD collaboration
NX multi-CAD support enables design teams to load and assemble designs from any major CAD system into NX for multi-CAD product development. Teamcenter automatically manages both source CAD and JT representations while eliminating unnecessary delays caused by constant data translation.

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Teamcenter integration for NX

Features

- On-demand access to Teamcenter parts, assemblies, drawings, documents and data from inside NX

- Ability to create, configure and edit product structure in NX or Teamcenter

- Data capture, control and sharing in a highly secure Teamcenter environment

- Managed Multi-CAD product development

- Scalable for any size team using NX

- Expandable PLM scope to meet your growing requirements by taking advantage of Teamcenter's comprehensive product portfolio

The Teamcenter integration for NX provides on-demand access to managed information directly from the NX design session.

NX's innovative approach to multi-CAD collaboration enables your extended enterprise to leverage your other CAD investments.
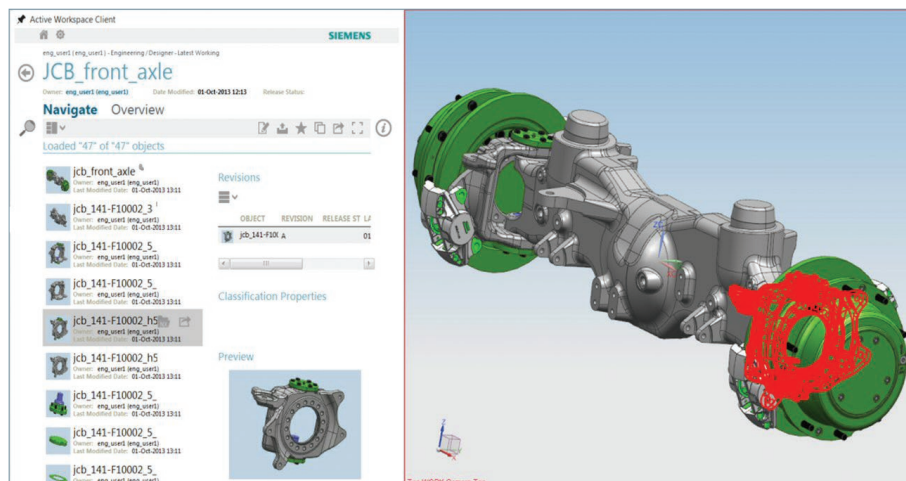
Leverage Teamcenter product lifecycle management

Teamcenter's product lifecycle capabilities surpass those of traditional CAD file management by capturing all of your CAD, CAM, CAE product and process knowledge, including requirements and technical documentation, and relating these assets to a common product structure. Teamcenter's workflow management capabilities enable you to manage product change, enforce company-specific business rules and efficiently execute your automated product-related processes. In addition, Teamcenter solutions easily expand to meet more of your business needs as you grow.
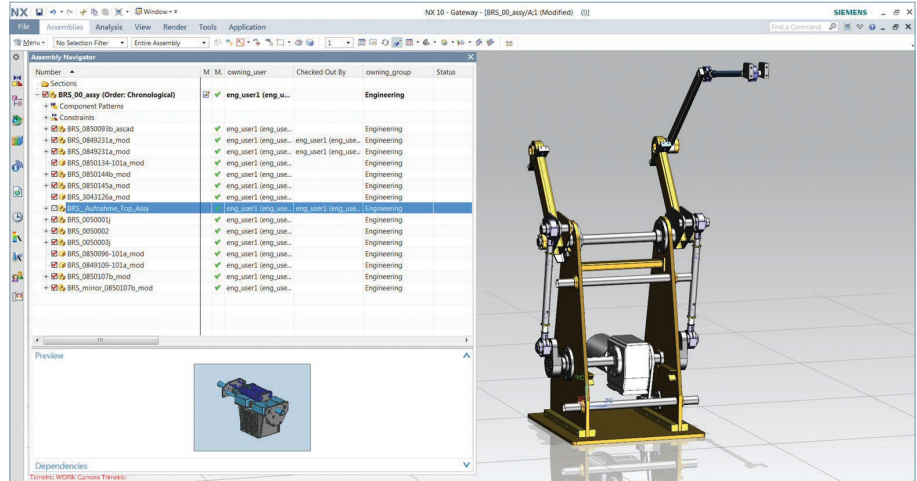
Key capabilities

- On-demand access to Teamcenter from inside NX: navigate, search, view data, check-in/check-out, access documents, participate in workflows

- Vault, manage and control multiple revisions of component and product designs

- Support for all advanced Teamcenter security designations and data access controls

- Ability to create new product revisions or version updates for work in progress

- Ability to create, configure and edit a product structure in either Teamcenter or NX

The embedded Active Workspace client eliminates wasted time by enabling intuitive browsing and searching, as well as access to your Teamcenter inbox, documents, and participation in workflow processes.

- Consistent visualization of assemblies and their constructs in NX and Teamcenter

- Ability to load product structure by applying configuration rules, i.e. revision rules, precise, baseline, variant options, effectivity

- Selective/partial load of product structure for efficient management of assembly design

- Where-used/referenced queries on interpart relations in either NX or Teamcenter

- Superior performance for local area networks

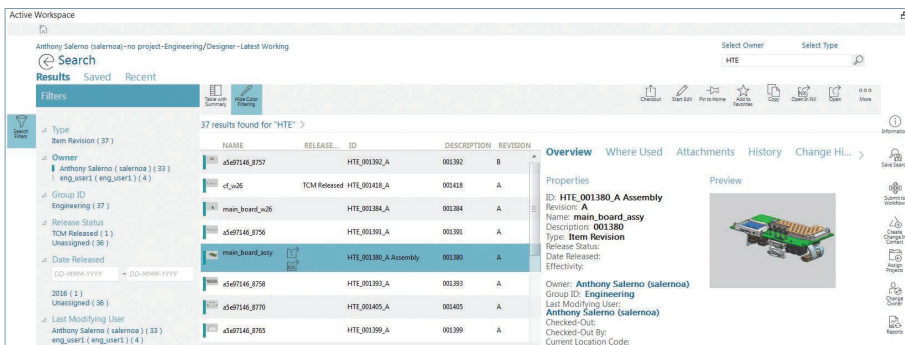- 4-tier clients for networks with higher latencies and for WAN deployments

Teamcenter advantage
The NX integration is supported by both Teamcenter and Teamcenter Rapid Start, which power innovation and productivity by connecting people and processes with knowledge.

Users create, configure and edit product structure in NX or Teamcenter.

- Teamcenter is the most widely used PLM system, which is backed by Siemens Digital Industries Software's leadership in delivering it. Users of Teamcenter can easily expand the scope of their PLM implementation by taking advantage of a comprehensive portfolio of applications as well as its proven scalability in terms of performance and global implementation.

- Teamcenter Rapid Start is a pre-configured PDM deployment option for Teamcenter that manages design data, as well as everyday tasks and processes, providing an ideal entry point into the Teamcenter product line for small and medium-sized businesses with a growth path to PLM.

NX users have access to all Teamcenter query capabilities to instantly find and retrieve the right data.

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